

PATENT

Docket No.: 4208-4014



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FORM PTO-1449	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. <b>4208-4014</b>	SERIAL NO. <b>09/903,193</b>
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)		APPLICANT(S) <b>HAUTANEN et al.</b>		
		FILING DATE <b>July 11, 2001</b>	GROUP ART UNIT <b>2673</b>	

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**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
<i>Rn</i>	<b>5,663,757</b>	<b>09/02/97</b>	<b>Morales</b>			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
<i>Rn</i>	WO 99/59283	11/18/99	PCT				
	JP10254966	09/25/98	Japan			Abstract	
	JP10240828	09/11/98	Japan			Abstract	
	JP10224291	08/21/98	Japan			Abstract	
	JP10164137	06/19/98	Japan			Abstract	
<i>Rn</i>	JP10135945	05/22/98	Japan			Abstract	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)**

<i>Rn</i>	English language abstract corresponding to Patent Publication Number JP10254966, September 25, 1998 (cited above), MicroPatent Reference Number 000568745.
	English language abstract corresponding to Patent Publication Number JP10240828, September 11, 1998 (cited above), MicroPatent Reference Number 000554610.
	English language abstract corresponding to Patent Publication Number JP10224291, August 21, 1998 (cited above), MicroPatent Reference Number 000538088.
	English language abstract corresponding to Patent Publication Number JP10164137, June 19, 1998 (cited above), MicroPatent Reference Number 000477972.
<i>Rn</i>	English language abstract corresponding to Patent Publication Number JP10135945, May 22, 1998 (cited above), MicroPatent Reference Number 000022923.

EXAMINER *Rn* DATE CONSIDERED *11/11/03*

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
<i>pw</i>	JP10075220	03/17/98	Japan			Abstract	
	JP10063739	03/06/98	Japan			Abstract	
	JP10063212	03/06/98	Japan			Abstract	
	JP10049591	02/20/98	Japan			Abstract	
	JP10047974	02/20/98	Japan			Abstract	
<i>pw</i>	JP10027121	01/27/98	Japan			Abstract	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)**

<i>pw</i>	English language abstract corresponding to Patent Publication Number JP10075220, March 17, 1998 (cited above), MicroPatent Reference Number 000422182.
	English language abstract corresponding to Patent Publication Number JP10063739, March 6, 1998 (cited above), MicroPatent Reference Number 000410704.
	English language abstract corresponding to Patent Publication Number JP10063212, March 6, 1998 (cited above), MicroPatent Reference Number 000410177.
	English language abstract corresponding to Patent Publication Number JP10049591, February 20, 1998 (cited above), MicroPatent Reference Number 000396562.
	English language abstract corresponding to Patent Publication Number JP10047974, February 20, 1998 (cited above), MicroPatent Reference Number 000394945.
<i>pw</i>	English language abstract corresponding to Patent Publication Number JP10027121, January 27, 1998 (cited above), MicroPatent Reference Number 000374099.

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**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
<i>pw</i>	JP09329449	12/22/97	Japan			<i>✓</i>	Abstract
<i>pw</i>	JP09325938	12/16/97	Japan			<i>✓</i>	Abstract
<i>pw</i>	JP09305514	11/28/97	Japan			<i>✓</i>	Abstract
<i>pw</i>	JP09284425	10/31/97	Japan			<i>✓</i>	Abstract
<i>pw</i>	EP 0797368	09/24/97	EPO			<i>✓</i>	
<i>pw</i>	WO 97/32258	09/04/97	PCT			<i>✓</i>	Abstract

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)**

<i>pw</i>	English language abstract corresponding to Patent Publication Number JP09329449, December 22, 1997 (cited above), MicroPatent Reference Number 000181773.
<i>pw</i>	English language abstract corresponding to Patent Publication Number JP09325938, December 16, 1997 (cited above), MicroPatent Reference Number 000178455.
<i>pw</i>	English language abstract corresponding to Patent Publication Number JP09305514, November 28, 1997 (cited above), MicroPatent Reference Number 000052867.
<i>pw</i>	English language abstract corresponding to Patent Publication Number JP09284425, October 31, 1997 (cited above), MicroPatent Reference Number 000082080.
<i>pw</i>	English language abstract corresponding to Patent Publication Number WO 97/32258, September 4, 1997 (cited above).

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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
		WO 97/22066	06/19/97	PCT			YES      NO
		WO 97/21183	06/12/97	PCT			
		JP09121302	05/06/97	Japan			Abstract
		JP09083991	03/28/97	Japan			Abstract
		JP08340310	12/24/96	Japan			Abstract
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>							
		English language abstract corresponding to Patent Publication Number JP09121302, May 6, 1997 (cited above), MicroPatent Reference Number 000222462.					
		English language abstract corresponding to Patent Publication Number JP09083991, March 28, 1997 (cited above), MicroPatent Reference Number 000288683.					
		English language abstract corresponding to Patent Publication Number JP08340310, December 24, 1996 (cited above), MicroPatent Reference Number 000406971.					
EXAMINER <i>pw</i>	DATE CONSIDERED	<i>pw 11/10/01</i>					

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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>pw</i>		JP08305327	11/22/96	Japan			Abstract
<i>pw</i>		EP 0711076	05/08/96	EPO			
<i>pw</i>		JP07214941	08/15/95	Japan			Abstract
<i>pw</i>		JP06149168	05/27/94	Japan			Abstract
<i>pw</i>		JP05233893	09/10/93	Japan			Abstract
<i>pw</i>		JP63256038	10/24/88	Japan			Abstract
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<i>pw</i>		English language abstract corresponding to Patent Publication Number JP08305327, November 22, 1996 (cited above), MicroPatent Reference Number 001322357.					
<i>pw</i>		English language abstract corresponding to Patent Publication Number JP07214941, August 15, 1995 (cited above), MicroPatent Reference Number 000731260.					
<i>pw</i>		English language abstract corresponding to Patent Publication Number JP06149168, May 27, 1994 (cited above), MicroPatent Reference Number 001061919.					
<i>pw</i>		English language abstract corresponding to Patent Publication Number JP05233893, September 10, 1993 (cited above), MicroPatent Reference Number 003178915.					
<i>pw</i>		English language abstract corresponding to Patent Publication Number JP63256038, October 24, 1988 (cited above), MicroPatent Reference Number 004003451.					
EXAMINER <i>pw</i>	DATE CONSIDERED	<i>pw 1/11/02</i>					

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